

**IN THE DRAWINGS:**

Figure 13 has been revised to label same as “Prior Art”, as suggested by the Examiner, and as shown in the attached Replacement Sheet. In addition, an Annotated Sheet is attached hereto, showing the location of amendment of Figure 13. Please replace original Figure 13 with the replacement Figure 13 shown in the Replacement Sheet attached hereto.

REMARKS

Claims 3-5 have been rewritten to more definitely set forth the invention and obviate the rejection. Support for amendment of Claim 3 can be found in the Specification on page 9, first paragraph, Fig. 2, and page 14, third paragraph. Support for the amendment of claims 4 and 5 can be found in Figures 1, 2, 3, 5 and 12(a)-(d), and in the Specification from page 7, lines 14, to page 8, line 9, page 9, first paragraph, page 14, line 4, to page 16, line 4. The present amendment is deemed not to introduce new matter. Claims 3-5 remain in the application.

Reconsideration is respectfully requested of the objection to the Figure 13 of the drawings.

As recommended by the Examiner, Figure 13 has been amended to now contain the legend "Prior Art". It is believed that, in view of this amendment, the objection is now moot. Withdrawal of the objection is accordingly respectfully requested.

Reconsideration is respectfully requested of the objection to the title.

The title has been amended above, in accordance with the Examiner's recommendations, to now state "A Method Of Manufacturing A Substrate Of A Rotary Encoder". As such, it is believed that the objection is now moot. Withdrawal of the objection is accordingly respectfully requested.

Reconsideration is respectfully requested of the objection to claims 3-5, as stated in paragraph on pages 3 and 4 of the instant Office Action.

Claims 3-5 have been amended to address the matters mentioned by the Examiner. It is believed that, in view of such amendments, the objection is now moot. Withdrawal of the

objection is accordingly respectfully requested.

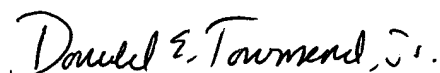
Reconsideration is respectfully requested of the rejection of claims 3-5 under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 3-5 have been amended to clarify the invention and overcome the above rejection. It is believed that the amendments made herein overcome the rejection, and place the claims in condition for allowance. Withdrawal of the rejection is accordingly respectfully requested.

In view of the foregoing, it is respectfully submitted that the application is now in condition for allowance, and early action and allowance thereof is accordingly respectfully requested. In the event there is any reason why the application cannot be allowed at the present time, it is respectfully requested that the Examiner contact the undersigned at the number listed below to resolve any problems.

Respectfully submitted,

TOWNSEND & BANTA



Donald E. Townsend, Jr.  
Reg. No. 43,198

Date: December 13, 2005

**CUSTOMER NO. 27955**

TOWNSEND & BANTA  
Suite 900, South Building  
601 Pennsylvania Ave., N.W.  
Washington, D.C. 20004  
(202) 220-3124



DOCKET NO. HAT-024-USA-P

### CERTIFICATE OF MAILING

I hereby certify that this correspondence, consisting of an Amendment, Replacement Figure 13 and Annotated Figure 13, in application serial No. 10/606,779, filed June 27, 2003, is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

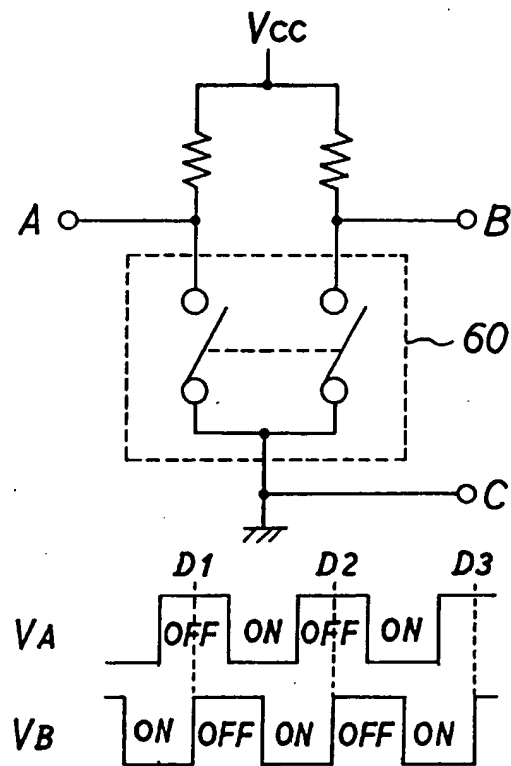
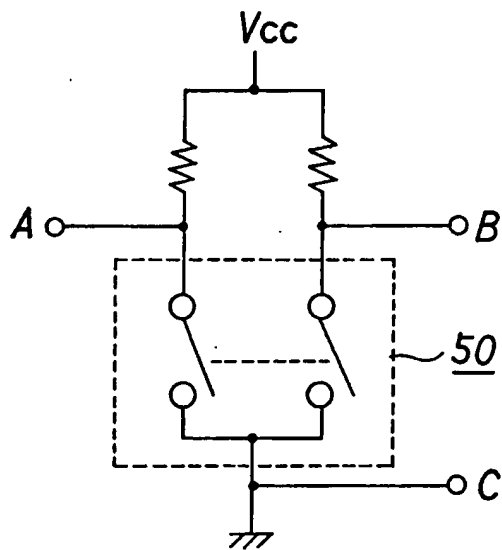
on December 13, 2005.

Donald E. Townsend, Jr.

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FIG. 13



PRIOR ART

Added